

CAT Coalition – AV Infrastructure-Industry Working Group June 4, 2018 Meeting Notes

Attendees:

Tracy Larkin-Thomason
(WG Co-Chair)

James Zizelman
(WG Co-Chair)

Roger Berg

Scott Belcher

Barry Einsig

Hideki Hada

Katy Salamati

Patricia Hendren

Gummada Murthy

Peter Sweatman

Venkat Nallamothu

Patrick Zelinski

Dean Deeter

Paul Carlson

John Corbin

Ted Bailey

Introductions and Opening Remarks

- The WG co-chairs Tracy Larkin and James Zizelman welcomed attendees and provided opening related to the working group.
- The primary objective of today's discussion is to review the seven (7) CAV ELT priority initiatives, and map them to the working group objectives and deliverables to 2 or more of the initiatives

7 Policy Initiatives

- Peter Sweatman provided an overview of the 7 policy issues related to CAVs identified previously. The issues (ranked highest in priority) are as follows:
 1. *National Guidelines*
 2. *Early-Stage Risks*
 3. *Interoperability*
 4. *Industry-Government Information Exchange*
 5. *Data Access Provisions*
 6. *Public Outreach and Education*
 7. *Planning Scenarios*
- Additional issues were since identified through further discussion. A copy of the presentation is attached for reference.

Discussion

- During the May 22 meeting, it was determined that the WG will focus on four (4) topic areas and tackle them in small sub-groups. They were:
 1. Education & Lessons Learned

2. Standards & Specifications (current relative to AV): What are the current existing standards?
 3. Standards & Specifications (suggested changes): What fundamental changes need to be put into existing systems to support CV/AV going forward?
 4. Recommended Interactions among infrastructure owners and industry entities.
- Paul Carlson indicated that the National Committee on Uniform Traffic Control Devices (NCUTCD) has a task force that has some overlap with this group.
 - The Automotive Safety Council which represents many Tier 1 organizations was also mentioned as a potential collaborator for this WG.
 - Attendees discussed the possibility of adding DATA as a 5th topic of focus for the WG.
 - Tracy Larkin mentioned that states are interested in pilot deployment of new technologies including CAVs, but don't realize the gaps in their resources and business processes until the deployment is well underway. This could be something that the WG can address through the *Education and Lessons Learned* sub-group.
 - Barry Einsig indicated that a good communication backbone is required to ensure the success of many new technology deployments and the WG could take up the creation and delivery of an introductory webinar/session on communications as an early action item (with a delivery timeframe of 6 months).
 - John Corbin suggested that data should be owned by this group. He also briefed the members on the *National Dialogue on Highway Automation* workshops being organized by FHWA. [Follow-up: The launch workshop took place on June 7, in conjunction with ITSA. Information related to the upcoming workshops and registration details are available at [FHWA National Dialogue on Highway Automation](#)]
 - Cybersecurity was also mentioned
 - Dean Deeter spoke about the Data verification and management exchanges within the V2I working groups and opportunities for interaction with this WG.
 - After further discussion, it was determined that the focus areas will be reorganized as follows:
 1. Education and Lessons Learned
 2. Physical Infrastructure Standards & Specifications (a. Current relative to AV; b. Suggested changes)
 3. Recommended Interactions
 4. Data and Digital Infrastructure Standards & Specifications

Deliverables identified by WG

- The WG intends to develop a primer with crisp definition of what constitutes “infrastructure” and include terms related to AV/CV (1-2 month time-frame). This activity will be led within *Sub-Group 1: Education & Lessons Learned* with input from all the other members.
- The WG intends to develop a 101-type course on communication networks and data (3-6 month timeframe). This activity will be led by *Sub-Group 4: Data and Digital Infrastructure Standards and Specifications*.

- Increasing interactions with appropriate associations: The WG intends to reach out to additional partners (including SAE, National Governor’s Association, Automotive Safety Council, etc.) and identify opportunities for interaction. This activity was identified as ongoing.

Action Items

- Leading up to the July 24th meeting, the four sub-groups are requested to interact with other members and establish outcomes and deliverables to present to the WG.
- The following is a link to the current member roster with contact emails: [CAT AV Infrastructure-Industry WG](#). It is intended as a resource to promote interaction among members.
- Sub-groups and mapping to the 7 Policy Initiatives

#	Sub-Group Name	Members	Mapping to 7 Policy Initiatives
1	Education and Lessons Learned	Tracy Larkin Steve Ingracia Patricia Hendren Dan Veoni	- Public outreach - Early Stage Risks
2a	Physical Infrastructure Standards & Specifications (Current relative to AV)	Paul Carlson Barry Einsig Monali Shah Dan Veoni	- National Guidelines - Early Stage Risks - Industry Government Information Exchange
2b	Physical Infrastructure Standards & Specifications (Suggested changes)	Audrey Copeland Roger Berg Jeff Paniati	
3	Recommended Interactions	Roger Berg Steve Ingracia Fred Bergstresser	- Industry Government Information Exchange
4	Data and Digital Infrastructure Standards and Specifications	Barry Einsig Katy Salamati Patricia Hendren Scott Belcher	- Data Access - Interoperability - Early Stage Risks

[Names in **Bold** indicate leads]